Title (en)

MUTANT POLYHYDROXYALKANOIC ACID SYNTHASE GENE AND METHOD FOR PRODUCING ALIPHATIC POLYESTER USING SAME

Title (de)

MUTANTES POLYHYDROXYALKANSÄURESYNTHASEGEN UND VERFAHREN ZUR HERSTELLUNG EINES ALIPHATISCHEN POLYESTERS DAMIT

Title (fr)

GÈNE MUTANT DE L'ACIDE POLYHYDROXYALCANOÏQUE SYNTHASE ET PROCÉDÉ DE PRODUCTION D'UN POLYESTER ALIPHATIQUE À L'AIDE DE CELUI-CI

Publication

EP 2594637 A4 20130619 (EN)

Application

EP 10854707 A 20100714

Priority

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Abstract (en)

[origin: EP2594637A1] A substitution mutation that improves polymerization activity of a polyhydroxyalkanoic acid synthase is identified. At least 1 amino acid residue selected from the group consisting of a histidine residue at position 17, a proline residue at position 71, a valine residue at position 131, a methionine residue at position 205, a leucine residue at position 230, and a proline residue at position 239 of a polyhydroxyalkanoic acid synthase derived from Alcanivorax borkumensis is subjected to substitution mutation with another amino acid.

IPC 8 full level

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CPC (source: EP US)

C12N 9/1029 (2013.01 - EP US); **C12P 7/625** (2013.01 - EP US)

Citation (search report)

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- See references of WO 2012008023A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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DOCDB simple family (application)

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